AWS DATA ENGINEER | AWS DEVELOPER

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Professional Summary

- **8 Years in programming and software development** and 3.7 years in other functions.
- Currently working with **Atos.**
- Having overall 8+ years of professional experience in Developer and Data Engineer Roles.
- Developing and implementing big data applications.
- Good Knowledge in **EC2, EMR, S3, IAM, Lambda, CloudWatch, SNS, Cloud Formation, Amazon SES, Api Gateways, RDS, Python, Py spark, PostgreSQL.**
- Experience working on **EC2** (**Elastic Compute Cloud**) cluster instances, setup data buckets on
- **S3** (Simple Storage Service), set **EMR (Elastic Map Reduce**).
- Expertise in **issue debugging and Resolution.**
- Experience on Defect tracking tools like JIRA
- Daily interaction with customers to understand their requirements and act in a Business Liaison Role.
- Setting up Defect calls with different stakeholders for tracking and closing the defects.
- Having knowledge on Real-time Applications.
- Excellent communication skills, problem-solving skills and an attitude to learn the new cutting-edge technologies.
- Experience in leading and mentoring team members on both functional and technical aspects.
- Flexible, enthusiastic and project-oriented team player with solid communication and leadership skills to develop creative solutions for challenging client needs.
- Able to work independently and collaborate proactively & cross functionally within a team.
- Having experience in Agile and waterfall SDLC Model.

Skill Set:

Operating System	**:** Window XP, vista, 7. (windows series)
Packages	**:** MS-Office, MS Excel.
Specialization in	**: AWS, Python, UNIX, PostgreSQL, Jenkins, Git, Gitlab.**

Projects Undertaken in ATOS:

Project 3 (Currently working)	**:**	**Amfam**
Domain	**:**	**Insurance**
Duration	**:**	**July 2021 to till date**
Role	**:**	**AWS Developer**
Primary Skills	**:**	**AWS EC2, Lambda, API Gateways, Amazon SES, Cloud Formation, RDS, ECR, S3, Cloud Watch, IAM, Python, PostgreSQL,Gitlab, Jira, Agile.**

Responsibilities:

Lambda - Store XML
download a xml zip file from the third-party portal using the ivans Api endpoint. store the xml files in the S3 folders. Trigger PDF generation lambda using s3 event-based trigger.

Lambda - Modified XML
modifying the XML with the various business logics and store the modified xml in S3.

Lambda - PDF Generation
developing a PDF summary pages for insurance policies received as original Acord XML files from the different vendors for both home and auto. The Summary page will contain Applicant information, agent information , coverage limits and premium blocks ext.
Send the PDF zip files presigned url link to the ICS team using **Amazon SES service.**

Lambda - Send quote
quote the PLMSS portal with modified xml using the PLMSS API. Store the quote results in the RDS database. sending the quote results as excel file to the ICS team using **Amazon SES service.**
deployed **API gateways** to trigger all the lambdas.
Deployed **AWS RDS** for Database service with **PostgreSQL** and accessing through pgadmin.

Projects Undertaken in Cognizant:

Project 2	:	**Whirl Archive Data Migration**
Domain	:	**Banking**
Client	:	**Capital One Bank**
Duration	:	**Jan 2019 to July 2021**
Role	:	**Data Engineer (Migration and Development)**
Main Skills	:	**AWS EC2, Lambda, EMR, Cloud Watch, S3, Glacier, IAM, Python, Py spark, Git, Jenkins, Jira, Agile.**

Responsibilities:

Data Movement-
 ❖ Worked on data migration from mainframe tapes and Sar credit card data to AWS.
 ❖ Developed the python code using the tokenizing API to tokenize the NPI and PCI fields of data at the AWS side.
 ❖ Enhanced the checksum application and reconciliation process for the validation of data once landed to AWS bucket.
 ❖ Created a lambda function to spin up the EMR cluster to run the checksum application for the calculation of reconciliation at the AWS side.
 ❖ Build the lambda function to validate the reconciliation calculated from mainframe and reconciliation calculated at AWS side to move the file in respective directory in AWS S3 bucket.
 ❖ Worked with the mainframe team to provide a fix for the errors encountered during the migration process at the AWS side.
 ❖ Worked on maintenance of AWS infra for EC2, Lambda, ALB and other compliance issues.
 ❖ Created a lifecycle policy to move the data to glacier storage and created a python script to retrieve the data to S3 standard storage class.

Data Consumption-

- ❖ Build an infrastructure for business users to consume data from the final S3 bucket.
- ❖ Deployed a S3 bucket and IAM policies and cross account roles to access the data from one account to another account.
- ❖ Business users will send the requests of user data in email and the team will use the Databricks to query the data.
- ❖ Databricks will create an input file, and once the input file created lambda will trigger and invoke EMR.
- ❖ EMR will execute the Py spark script and bring the file from the final bucket to the consumption bucket.
- ❖ User will query the data from the consumption bucket and create an output file and store it into a shared folder.
- ❖ Business users can detokenize the data and consume.

Project 1	**:**	**Capital One Retail Ascent Data Mod**
Role	**:**	**Big Data Developer**
Client	**:**	**Capital One Bank**
Duration	**:**	**March – 2015 to Dec 2018.**
Technologies	**:**	**AWS, Python Scripting, Presto, Nifi, Kylo, MS-Office, MS Excel.**

Project Description:
Capital One has developed custom NIFI processors to generate the report in the Slack tool, which contains all the failure feeds. All the failure feeds contain failure information and have to be resolved using the Kylo platform. Kylo provides a flexible data processing framework (leveraging Apache NiFi) for building batch or streaming pipeline templates, and for enabling self-service features without compromising governance requirements

Roles and Responsibilities:

- ❖ Setting up and implementing AWS EC2 instances.
- ❖ Creating the Kylo feeds based on requirements and integrated with NIFI.
- ❖ Scheduling jobs using Kylo to perform action on timely basis and also involved in tracking of the feed jobs
- ❖ Performing impact analysis and providing the solutions for performance issue and benchmarking
- ❖ We enable self-service data ingestion from Amazon Web Service (AWS) to Kylo feeds.
- ❖ Deploy S3 buckets in AWS to store the bank data for analysis.

BPS Experience:

Cognizant Technology Solutions, Chennai (Jan'14 to Feb 2015)
Role : Sr. Coordinator PMOSS.
Team handling : 18 MS Projects (Managed services), 7 T&M Projects.
Over all 25 IT projects.

Billing Process:

- ❖ Generating invoice for 25 projects around 60 invoices for a month.
- ❖ Creating a billing sheet for 25 projects (400 resources), billing details should be submitted in a Tool (PAS) before 2'nd of every month to recognize revenue.
- ❖ Follow up the finance team to modify and correct the invoice if needed by raising Credit notes.
- ❖ Maintain Billable and non-billable Resources in the System.
- ❖ Preparing resources, wise Accruals report and send it to the top management.
- ❖ Preparing a Forecast report for my team and sending it to the top management.
- ❖ Creating new Projects in System and tagging resources for the project (End to End involved).
- ❖ Maintaining SOW and MSA documents for the projects, which I handled and took full responsibility of exact billing.
- ❖ Status reporting, presentation and facilitation.
- ❖ Coordinate and collaborate with various internal and external stakeholders.
- ❖ Follow up with weekly and monthly timesheet defaulters to achieve 100 % compliance in time sheet activity.
- ❖ Prepare tracker for Writing SOWs for renewal 's.

Resourcing:

- ❖ Creating SO's (Service Order) to request for demand in a project and follow up with the Talent delivery team to identify the resource and allocate the same in the project.
- ❖ Resource tracking: Maintain resource master tracker for the portfolio.
- ❖ Managing resource allocations in respective projects and bills as per allocations.
- ❖ Scheduling Training sessions for the Team when required.

Dell international services {July 2011 – Jan-13-2014}
Process Name : **Tenet EOB**
Domain : **Health Care**
Role : **Sr. Representative**

Process Description: EOB (Explanation of Benefits) Review.
EOB is a document that is sent by the insurance company. Explaining the payment or denial information. We analyze the claim and prepare a document to document in a software. Request an adjustment for provider discounts. Following process steps for denial and partial denials and bill the patient responsibly to the patient. To review the EOB and find out whether insurance has paid as per the contract or not.

Responsibilities:
- ❖ To find out the balance of the patient account.
- ❖ Taking action for the account balance is a denial needed to follow the denial process to get the necessary information for payment.
- ❖ Underpayment scenarios will be reviewed for underpayment reasons and action will be taken to get the remaining payment from the insurance company.
- ❖ If Balance is a patient responsibility, then it should be billed to the patient.

Educational Profile

S.NO	EDUCATIONAL INSTITUTION	QUALIFICATION	YEAR OF PASSING	PERCENTAGE
1	Aanaikar Oriental Arabic HSC	OSSLC	2006	78%
2	KRM HSC	HSC	2008	70%
3	The New College	BCA	2011	69%

AWARDS AND RECOGNITION

- ❖ Received "Dependable Award" in AIA Quarterly Awards –Q4 -2018.
- ❖ Received many appreciations from clients for automation activities.
- ❖ I have maintained 100 percent attendance in Dell throughout the year 2012.
- ❖ Awarded "GREAT PERFORMANCE" for the year of 2012 in Dell.
- ❖ I have gotten many appreciation emails from my BU head in the year 2017.
- ❖ I have a Gem annual award for displaying great delivery excellence in the year 2017.

Strengths

- ❖ Good oral, written & presentation skills
- ❖ A high tolerance of stress and enjoys responsibilities
- ❖ Quick learner with good grasping ability
- ❖ Action-oriented and result-focused
- ❖ Lead & work as a team in an organized way
- ❖ Great time management skill

Personal Details

Father's Name   : Sheik Abdul Khadar
Date of Birth   : 12.11.1990
Sex   : Male
Marital Status   : Single
Languages Known : Tamil, English Arabic (only reading), Hindi (partially understand and speak)
Hobbies   : Listening to Music, playing volleyball, badminton, cricket, football.

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Chennai
Date: Mohamed Akbar Ali